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› Werner D6224-2 24-Foot Fiberglass Extension Ladder Instruction Manual

## Werner D6224-2

# Werner D6224-2 24-Foot Fiberglass Extension Ladder Instruction Manual

**MODEL: D6224-2**

**Brand: Werner**

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the safe and proper use of your Werner D6224-2 24-Foot Fiberglass Extension Ladder. This extra heavy-duty fiberglass extension ladder has a duty rating of 300 pounds (Type IA). It features non-conductive fiberglass rails for enhanced safety around electrical hazards. The rungs are aluminum slip-resistant Traction-Tred D-rungs, connected to the rails with Werner's exclusive Alflo rung joint connection for twist-proof performance. External guides at the top of the base section securely interlock rails, and rugged gravity spring locks operate smoothly. The base and fly sections can separate easily for use as a single ladder. The ladder also includes Shu-Lok, a durable rail shield bracket and shoe with a slip-resistant pad and spur plate.



Figure 1: Werner D6224-2 24-Foot Fiberglass Extension Ladder in its full extended form.

### Key Features:

- **300-Pound Duty Rating (Type IA):** Designed for heavy-duty use.
- **Non-Conductive Fiberglass Rails:** Provides safety near electrical sources.
- **Slip-Resistant Traction-Tred D-Rungs:** Ensures secure footing.
- **Exclusive Alflo Rung Joint:** Offers twist-proof performance for enhanced stability.
- **External Guides:** Securely interlock rails for smooth extension.
- **Shu-Lok Rail Shield Bracket and Shoe:** Features a slip-resistant pad and spur plate for stability on various surfaces.

- **Convertible Design:** Base and fly sections can be separated for use as a single ladder.

## 2. SAFETY INFORMATION

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Always prioritize safety when using any ladder. Read and understand all warnings and instructions before use. Failure to follow these instructions can result in serious injury or death.

### General Safety Guidelines:

- Inspect the ladder before each use for any damage, loose parts, or missing components. Do not use a damaged ladder.
- Ensure the ladder is placed on a firm, level surface. Use the Shu-Lok feet to adjust for uneven ground.
- Maintain a 4-to-1 ratio for extension ladders: for every 4 feet of ladder height, the base should be 1 foot away from the wall.
- Always face the ladder when climbing up or down. Maintain three points of contact (two hands and one foot, or two feet and one hand) at all times.
- Do not overreach. Keep your belt buckle between the side rails.
- Do not use the ladder near electrical wires or equipment unless specifically designed and rated for such use. Fiberglass rails are non-conductive, but caution is still advised.
- Do not stand on the top three rungs of an extension ladder.
- Ensure all locks are engaged before climbing.
- Do not use the ladder in strong winds or adverse weather conditions.
- Never allow more than one person on the ladder at a time.

**Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 3. SETUP

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Proper setup is crucial for safe ladder use. Follow these steps to prepare your Werner D6224-2 extension ladder.

### 3.1 Inspecting the Ladder

Before each use, thoroughly inspect the ladder for any signs of damage. Check the following:

- **Rungs:** Ensure all D-rungs are secure, not bent, cracked, or loose.
- **Rails:** Check fiberglass rails for cracks, splinters, or damage.
- **Locks and Guides:** Verify that all gravity spring locks and external guides are functioning correctly and are not bent or corroded.
- **Feet (Shu-Lok):** Inspect the slip-resistant pads and spur plates for wear or damage. Ensure they pivot freely and lock securely.
- **Rope and Pulley (if applicable):** Check for fraying or damage to the rope and ensure the pulley operates smoothly.

### 3.2 Positioning the Ladder

Select a firm, level, and stable surface for the ladder base. Clear the area of any debris or obstructions. Ensure the ladder is positioned at the correct angle.

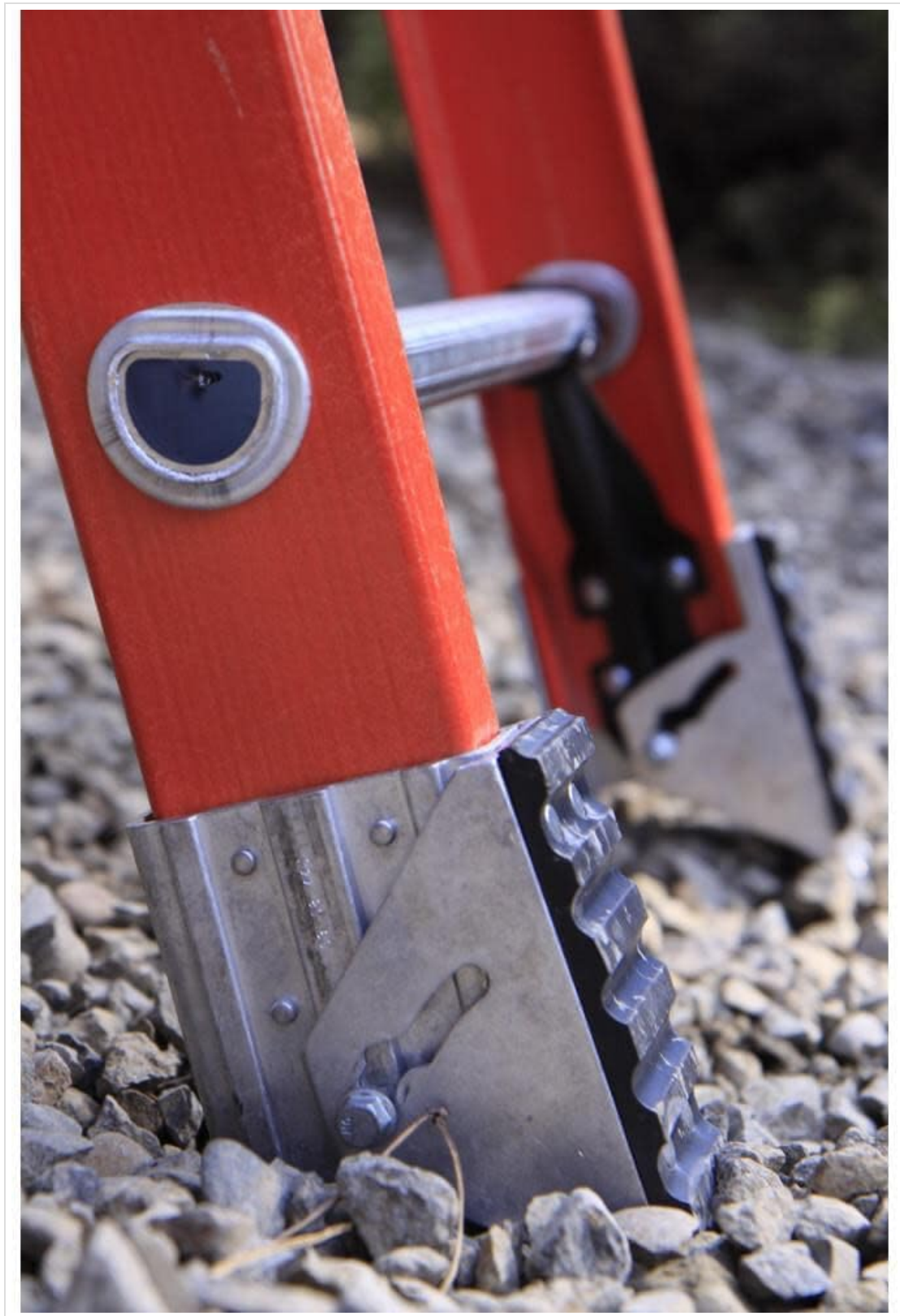


Figure 2: Close-up view of the durable Shu-Lok feet, designed for stability on various surfaces.

- Place the ladder base on a solid, non-slippery surface.
- Adjust the Shu-Lok feet to ensure maximum contact with the ground. For soft ground, engage the spur plates. For hard surfaces, use the slip-resistant pads.
- Angle the ladder correctly: for every four feet of vertical height, the base should be one foot away from the wall or support structure.
- Ensure the top of the ladder extends at least three feet above the landing surface if you are accessing a roof or platform.

## 4. OPERATING THE LADDER

Follow these instructions for extending, retracting, and using your extension ladder.

### 4.1 Extending the Ladder

To extend the ladder to the desired height:

- Ensure the ladder is securely footed and stable.
- Grasp the rope (if equipped) or the fly section rungs.
- Pull the fly section upwards, allowing the external guides to smoothly interlock the rails.
- Extend the ladder until the gravity spring locks engage securely on the desired rungs. Double-check that both locks are fully engaged before climbing.



Figure 3: The ladder's external guides ensure smooth and secure extension of the fly section.

### 4.2 Retracting the Ladder

To retract the ladder:

- Ensure no one is on the ladder or directly below it.
- Disengage the gravity spring locks by pulling them outwards.
- Slowly lower the fly section until it rests fully on the base section.

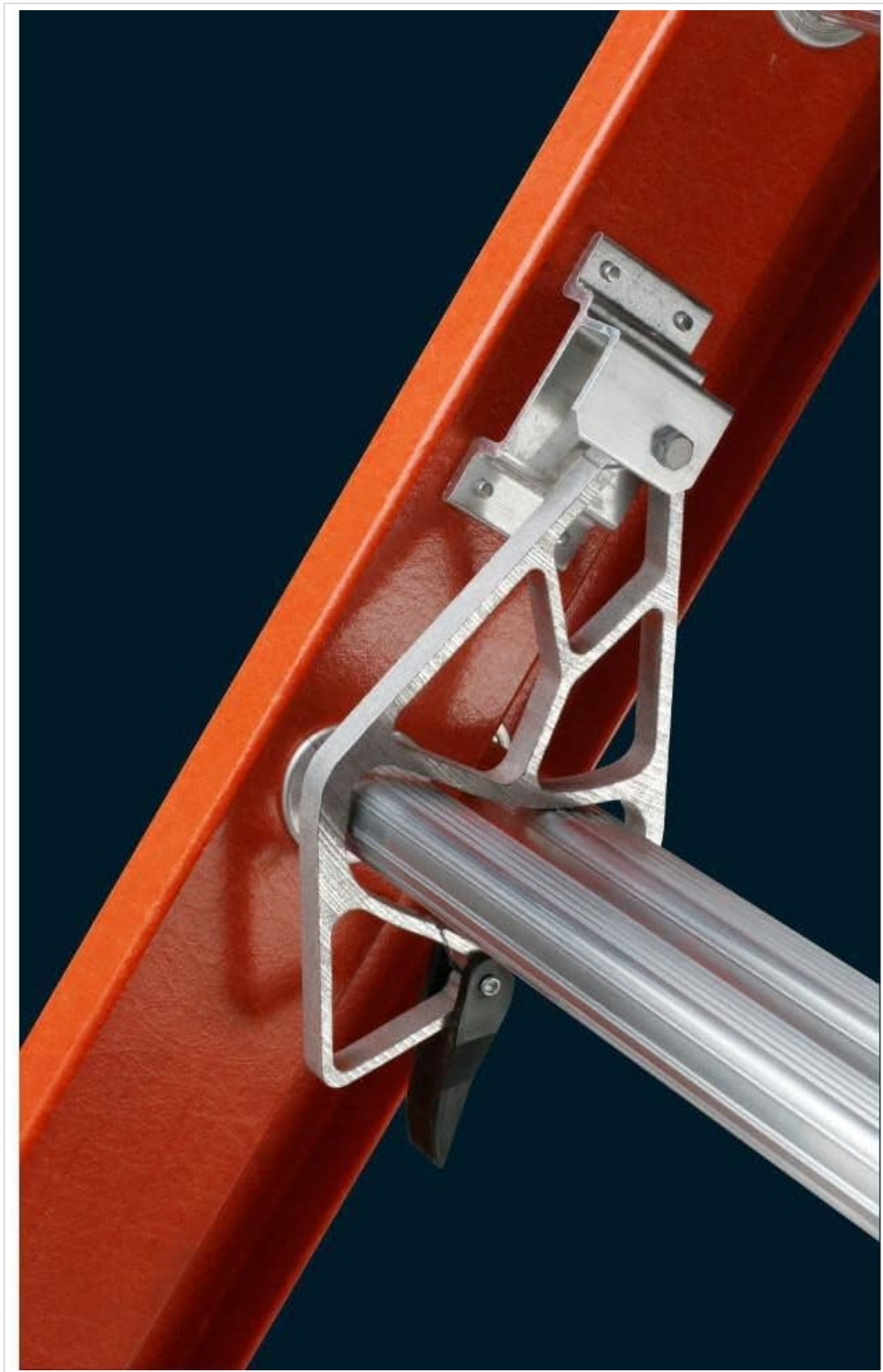


Figure 4: Detail of the Alflo rung joint and gravity spring lock, ensuring twist-proof performance.

### 4.3 Using as a Single Ladder

The base and fly sections can be separated for individual use:

- Extend the ladder fully and disengage the locks.
- Carefully separate the fly section from the base section.
- When using either section as a single ladder, ensure it is placed on a stable surface and used according to all safety guidelines.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your ladder.

- **Cleaning:** Clean the ladder regularly with mild soap and water. Avoid harsh chemicals that could damage fiberglass or aluminum components.
- **Lubrication:** Periodically lubricate moving parts such as gravity spring locks and pulley systems with a silicone-based lubricant.
- **Storage:** Store the ladder in a dry, protected area away from direct sunlight and extreme temperatures. Store horizontally or securely vertically to prevent warping or damage.
- **Inspection:** Conduct thorough inspections before and after each use, as detailed in the Safety Information section.

## 6. TROUBLESHOOTING

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If you encounter issues with your ladder, consider the following common solutions:

- **Difficulty Extending/Retracting:** Check for debris in the rail guides or around the locks. Clean and lubricate moving parts. Ensure the rope is not tangled or frayed.
- **Locks Not Engaging:** Ensure the fly section is fully extended to the next rung level for the locks to properly engage. Inspect locks for damage or obstruction.
- **Ladder Instability:** Re-check the ladder's angle and ensure the Shu-Lok feet are properly adjusted for the ground surface. Verify the ground is firm and level.

If problems persist, discontinue use and contact Werner customer support.

## 7. SPECIFICATIONS

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Feature	Detail
Model Number	D6224-2
Ladder Size	24 Feet
Maximum Reach	23 Feet (assuming a 5'6" person with a 12" vertical reach)
Highest Standing Level	17 Feet 2 Inches
Load Capacity	300 lbs. (Type IA Extra Heavy Duty)
Material	Fiberglass (rails), Aluminum (rungs)
Product Dimensions (Collapsed)	19.5"W x 149"H
Item Weight	49.7 Pounds
Special Feature	Durable, Non-Conductive Rails, Slip-Resistant Rungs
UPC	051751019117

## 8. WARRANTY AND SUPPORT

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### 8.1 Manufacturer's Warranty

This Werner ladder comes with a manufacturer's warranty. Please refer to the warranty documentation included with your purchase for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

### 8.2 Customer Support

For any questions, technical assistance, or support regarding your Werner D6224-2 extension ladder, please contact Werner customer support. You can find contact information on the Werner website or through the retailer where you purchased the product.

For general customer support inquiries, you may visit: [Amazon Customer Support](#)